Product data sheet
Characteristics

LTMR08PFM
motor controller LTMR TeSys T - 100..240 V AC 8 A for Profibus DP

Product availability : Stock - Normally stocked in distribution facility

Green Premium™

Price* : 750.00 USD



Main

Range	TeSys
Product name	TeSys T
Device short name	LTMR
Product or component type	Motor controller
Device application	Equipment monitoring and control
Measurement current	0.4…8 A
[Us] rated supply voltage	100...240 V AC 50/60 Hz
Current consumption	8...62.8 mA
Supply voltage limits	93.5…264 V AC
Communication port protocol	Profibus DP
Bus type	Profibus DP polarised 2-wire RS485 1...125 9.6 kbit/s...12 Mbit/s, SUB-D 9 2 shielded twisted pairs, type A Profibus DP polarised 2-wire RS485 1...125 9.6 kbit/s...12 Mbit/s, terminal block 2 shielded twisted pairs, type A

Complementary

[Ui] rated insulation voltage	690 V EN/IEC 60947-1 690 V CSA C22.2 No 14 690 V UL 508
[Uimp] rated impulse withstand voltage	4 kV supply, inputs and outputs EN/IEC 60947-4-1 6 kV current or voltage measurement circuit EN/IEC 60947-4-1 0.8 kV communication circuit EN/IEC 60947-4-1
Short-circuit withstand	100 kA EN/IEC 60947-4-1
Associated fuse rating	4 A gG output 0.5 A gG control circuit
Protection type	Locked rotor Overload Phase unbalance

* Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

	Phase failure Earth-leakage protection Reverse polarity protection Load fluctuation Thermal protection Power factor variation Thermal overload protection Overload (long time)
Network and machine diagnosis type	Phase fault and earth fault trip counters Trip history information Starting current and time Fault recording Waiting time after overload tripping Event recording Motor control command recording Running hours counter/operating time Trip context information Remaining operating time before overload tripping
Logic input number	6
Input current	3.1 mA 100 V 7.5 mA 240 V
Current state 0 guaranteed	Logic input 0...40 V <= 15 mA 25 ms
Current state 1 guaranteed	Logic input 79...264 V >= 2 mA 25 ms
Maximum output switching frequency	2 Hz
Load current	5 A 250 V AC logic output 5 A 30 V DC logic output
Permissible power	480 VA AC-15), Ie = 2 A, 500000 cycles output) 30 W DC-13), Ie = 1.25 A, 500000 cycles output)
Maximum operating rate	1800 cyc/h
Contacts type and composition	1 NO + 1 NC fault signal 3 NO
Metering type	Average current Iavg Earth-fault current Temperature Imbalance current Phase current I1, I2, I3 RMS
Measurement accuracy	5...15 % earth fault current internal measurement 1 % voltage 100...830 V) 3 % power factor 5 % earth fault current external measurement +/- 30 min/year internal clock 0,02 Temperature 1 % current 5 % active and reactive power
Overvoltage category	III
Connection pitch	0.20 in (5.08 mm)
Connections - terminals	Control circuit connector 1 0.00…0.00 in² (0.25…2.5 mm²) AWG 24...AWG 14)flexible with cable end Control circuit connector 1 0.00…0.00 in² (0.2…2.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.00…0.00 in² (0.25…2.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.00…0.00 in² (0.2…2.5 mm²) AWG 24...AWG 14)solid without cable end Control circuit connector 2 0.00…0.00 in² (0.2…1 mm²) AWG 24...AWG 14)flexible with cable end Control circuit connector 2 0.00…0.00 in² (0.2…1.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.00…0.00 in² (0.5…1.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.00…0.00 in² (0.2…1 mm²) AWG 24...AWG 14)solid without cable end
Tightening torque	Control circuit 4.43…5.31 lbf.in (0.5…0.6 N.m) flat 0.12 in (3 mm)
Pollution degree	3
Electromagnetic compatibility	Electrostatic discharge, 3 8 kV air, 6 kV contact)EN/IEC 61000-4-2) Radiated RF fields, 3 10 V/m)EN/IEC 61000-4-3) Fast transients immunity test, level 3 2 kV)EN/IEC 61000-4-4) Fast transients immunity test, level 4 4 kV)EN/IEC 61000-4-4) Voltage dips and interruptions immunity test 70 %, 500 ms)EN/IEC 61000-4-11) Conducted RF disturbances 10 V)EN/IEC 61000-4-6) Surges 0.5 kV)EN/IEC 61000-4-5) Surges 1 kV)EN/IEC 61000-4-5)

	Surges 1 kV)EN/IEC 61000-4-5) Surges 2 kV)EN/IEC 61000-4-5) Surges 2 kV)EN/IEC 61000-4-5) Surges 4 kV)EN/IEC 61000-4-5) Surges 2 kV)EN/IEC 61000-4-5)
Width	3.58 in (91 mm)
Height	2.40 in (61 mm)
Depth	4.82 in (122.5 mm)
Net Weight	1.17 lb(US) (0.53 kg)
Web services	Web server
Compatibility code	LTMR

Environment

Standards	UL 508 IEC 60947-4-1 EN 60947-4-1 IACS E10 CSA C22.2 No 14
Product certifications	CSA C-tick UL CCC LROS (Lloyds register of shipping) NOM ABS GL EAC BV DNV RINA RMRoS ATEX KERI
Protective treatment	12 x 24 hour cycles EN/IEC 60068-2-30 48 h EN/IEC 60070-2-11 TH EN/IEC 60068
Fire resistance	1202 °F (650 °C) EN/IEC 60695-2-12 1760 °F (960 °C) UL 94
Ambient air temperature for operation	-20…60 °C
Ambient air temperature for storage	-40…176 °F (-40…80 °C)
Operating altitude	<= 6561.68 ft (2000 m) without derating
Mechanical robustness	Vibrations mounted on symmetrical rail1 Gn, 5...300 Hz EN/IEC 60068-2-6 Vibrations plate mounted4 Gn, 5...300 Hz EN/IEC 60068-2-6 Shocks half sine wave acceleration15 Gn for 11 ms EN/IEC 60068-2-27
IP degree of protection	IP20

Ordering and shipping details

Category	22338 - SOLID STATE OVERLOAD RELAYS
Discount Schedule	I12
GTIN	00785901502326
Nbr. of units in pkg.	1
Package weight(Lbs)	1.17 lb(US) (0.53 kg)
Returnability	Yes
Country of origin	CN

Packing Units

Package 1 Height	0.720 dm
Package 1 width	1.000 dm
Package 1 Length	1.360 dm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty	18 months